

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	57
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0501_01_f_2014_57				
Comment Code					
Inspector Comment					
District has the O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	58
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0501_01_s_2012_58				
Comment Code					
Inspector Comment					
RD 501 has emergency supplies in storage.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	59		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_RD0501_01_s_2012_59						
Comment Code							
Inspector Comment							
Crew members have been trained and are prepared for a flood.							

No Photos

LM Start	0.04	Rating **	M	Issue No.	44
LM End	2.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254035 °	38.215490 °
				-121.601790 °	-121.607930 °
DWR ID	DWR_RD0501_01_f_2016_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
RD is mowing the landside slope once that's done they will start on the waterside slope, right now there are still tall weeds that were not mowed during this inspection.					

Photo 1 of 1 : FA_2016_RD0501_169_44_20161021_00060.jpg



RD 501 LOOKING DOWNSTREAM levee mile 0.04-2.68.

LM Start	0.04	Rating **	M	Issue No.	42
LM End	6.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254035 °	38.185987 °
				-121.601790 °	-121.648192 °
DWR ID	DWR_RD0501_01_f_2016_42				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
RD is in process of mowing the landside during the time of this inspection. There are weeds that hasn't been mowed yet that will be.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	0.68	Rating **	M	Issue No.	18
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.245010 °	38.244523 °
				-121.602955 °	-121.602940 °
DWR ID	DWR_RD0501_01_s_2012_18				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees on the landside levee slope five feet above the ground.					

No Photos

LM Start	0.70	Rating **	M	Issue No.	71
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.244667 °	38.237470 °
				-121.602967 °	-121.604418 °
DWR ID	DWR_RD0501_01_s_2012_71				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are rodents present in this area, district need to place bait stations in this area.					

No Photos

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CR : Crown

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U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	2.04	Rating **	C	Issue No.	26
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.225500°	38.224738°
				-121.603887°	-121.603750°
DWR ID	DWR_RD0501_01_s _ 2012_26				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

LM Start	2.23	Rating **	M	Issue No.	27
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.222758°	38.222030°
				-121.603348°	-121.603303°
DWR ID	DWR_RD0501_01_s _ 2012_27				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim trees to at least five feet above the ground.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	2.31	Rating **	M	Issue No.	116
LM End	2.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.221620°	38.221620°
				-121.603390°	-121.603393°
DWR ID	DWR_RD0501_01_f_2014_116				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Continue trimming the trees growth at this location to at least five feet above the ground.					

Photo 1 of 1 : FA_2016_RD0501_169_116_20161018_00010.jpg



Looking downstream at the woody tree growth on the landward levee slope. No new photo taken.

LM Start	2.32	Rating **	U	Issue No.	6
LM End	2.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.221455 °	38.221455 °
				-121.603508 °	-121.603508 °
DWR ID	DWR_RD0501_01_f_2015_6				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
This tree at this location is dead and poses a threat that could cause injury to persons or levee damage. No new photo taken.					

Photo 1 of 1 : FA_2016_RD0501_169_6_20161018_00005.jpg



This photo shows an old dead cotton wood tree at the landside levee toe.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	2.32	Rating **	M	Issue No.	45
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.221487°	38.220132°	
			-121.603447°	-121.604083°	
DWR ID	DWR_RD0501_01_f_2016_45				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.55	Rating **	M	Issue No.	32
LM End	2.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.218470°	38.217875°	
			-121.605105°	-121.605532°	
DWR ID	DWR_RD0501_01_s_2012_32				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Continue trimming the tree at this location to at least five feet above the ground.					

No Photos

LM Start	2.67	Rating **	M	Issue No.	34
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.217030°	38.216408°	
			-121.606303°	-121.607057°	
DWR ID	DWR_RD0501_01_s_2012_34				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees to at least five feet above the ground.					

No Photos

*** Location**

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**** Rating**

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+ Issue Type

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	2.85	Rating **	M	Issue No.	3
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.214838 °	38.214075 °
				-121.608129 °	-121.608750 °
DWR ID	DWR_RD0501_01_f_2016_3				
Comment Code					
Inspector Comment					
2009 - Rock is starting to unravel, probably from a tree pop-out, hard toe. 2015: No observed changes. [2015 Site ID: STM_18-9_R]					

Photo 1 of 1 : FA_2016_RD0501_169_3_20161018_00003.jpg



USACE 2013 Photo #1

LM Start	3.04	Rating **	M	Issue No.	2
LM End	3.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.212573 °	38.211596 °
				-121.609760 °	-121.609928 °
DWR ID	DWR_RD0501_01_f_2016_2				
Comment Code					
Inspector Comment					
2000 - Slow erosion of lower and mid-slope with rock bench at the low water line. 2015: No observed changes. [2015 Site ID: STM_18-8_R]					

Photo 1 of 1 : FA_2016_RD0501_169_2_20161018_00002.jpg



USACE 2013 Photo #1

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	3.25	Rating **	C	Issue No.	41
LM End	3.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.209548°	38.208632°
				-121.610882°	-121.611275°
DWR ID	DWR_RD0501_01_s_2012_41				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.33	Rating **	C	Issue No.	43
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.208468 °	38.208292 °
				-121.611348 °	-121.611437 °
DWR ID	DWR_RD0501_01_s_2012_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim trees 5-feet above ground, can't see levee slope.					

No Photos

LM Start	3.73	Rating **	U	Issue No.	974
LM End	4.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202997 °	38.197778 °
				-121.613450 °	-121.616080 °
DWR ID	DWR_RD0501_01_s_2012_974				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth from the waterside slope.					

Photo 1 of 1 : FA_2016_RD0501_169_974_20161018_00012.jpg



Unsatisfactory wild tree growth on the waterside slope. No new photo.

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+ Issue Type

Ma : Maintenance Deficiency
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	3.74	Rating **	M	Issue No.	79
LM End	4.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.202818 °	38.197492 °
				-121.613545 °	-121.616342 °
DWR ID	DWR_RD0501_01_s_2012_79				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin out these trees to allow visibility of the slope.					

No Photos

LM Start	4.38	Rating **	M	Issue No.	19
LM End	4.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.195332°	38.195310°
				-121.619749°	-121.619801°
DWR ID	DWR_RD0501_01_s_2012_19				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	4.95	Rating **	M	Issue No.	977
LM End	4.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.195057°	38.195068°	
			-121.629965°	-121.630173°	
DWR ID	DWR_RD0501_01_s_2012_977				
Comment Code					
EQ : Equipment					
Inspector Comment					
Remove the equipment from the 10 foot easement.					

No Photos

LM Start	5.27	Rating **	M	Issue No.	65
LM End	5.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.193805°	38.192457°	
			-121.635391°	-121.637997°	
DWR ID	DWR_RD0501_01_f_2012_65				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild vegetation growth on the waterside levee slope.					

No Photos

LM Start	5.39	Rating **	M	Issue No.	978
LM End	5.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.192878°	38.192588°	
			-121.637332°	-121.637802°	
DWR ID	DWR_RD0501_01_f_2013_978				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
The district has scheduled for these trees to be trimmed.					

No Photos

*** Location**
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Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	5.71	Rating **	M	Issue No.	24
LM End	5.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.190590 °	38.190246 °
				-121.642468 °	-121.643164 °
DWR ID	DWR_RD0501_01_s_2012_24				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth from the waterside levee slope.					

No Photos

LM Start	5.77	Rating **	M	Issue No.	1
LM End	5.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.190001°	38.189311°
				-121.643160°	-121.643917°
DWR ID	DWR_RD0501_01_f_2016_1				
Comment Code					
Inspector Comment					
2008 - Overstepped levee section with multiple small pockets of erosion 10 - 20 ft wide. 2013 - Site has fresh erosion and taller vertical sections. 2015: No observed changes. [2015 Site ID: STM_15-7_R]					

Photo 1 of 1 : FA_2016_RD0501_169_1_20161018_00001.jpg



USACE 2013 Photo #1

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Unit No. 01 Steamboat Slough	Right	6.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	6.16	Rating **	A	Issue No.	48
LM End	6.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.185990 °	38.184047 °
				-121.648222 °	-121.657838 °
DWR ID	DWR_RD0501_01_f_2016_48				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
NO unwanted weeds at this location.					

No Photos

LM Start	6.59	Rating **	M	Issue No.	23
LM End	6.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.184136°	38.184040°
				-121.655762°	-121.656291°
DWR ID	DWR_RD0501_01_s_2012_23				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
The district has scheduled for these trees to be trimmed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	10/19/2016 10/19/2016	Herman Phillips

LM Start	0.01	Rating **	A	Issue No.	24
LM End	3.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.184110 °	38.227787 °
				-121.658015 °	-121.673103 °
DWR ID	DWR_RD0501_02_f_2016_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The RD is mowing the landside levee slope and toe during this inspection.					

Photo 1 of 1 : FA_2016_RD0501_170_24_20161024_00043.jpg



RD 501 Unit 2 levee mile 0.00 -3.55 landside looking downstream of levee slope.

LM Start	0.49	Rating **	A	Issue No.	9
LM End	3.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.190509°	38.227237°
				-121.656805°	-121.673078°
DWR ID	DWR_RD0501_02_s_2012_9				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
District is in process of mowing the levee slopes during this inspection.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 02 Cache Slough	Left	3.56	10/19/2016 10/19/2016	Herman Phillips

LM Start	0.54	Rating **	C	Issue No.	11
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.191117°	38.191170°
				-121.656468°	-121.656437°
DWR ID	DWR_RD0501_02_s _ 2012_11				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.04	Rating **	M	Issue No.	10
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.198153 °	38.198153 °
				-121.655614 °	-121.655614 °
DWR ID	DWR_RD0501_02_s _ 2012_10				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
This erosion has not been repaired prior to the fall inspection.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	10/19/2016 10/19/2016	Herman Phillips

LM Start	1.10	Rating **	M	Issue No.	1
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.199128°	38.200146°
				-121.655881°	-121.655638°
DWR ID	DWR_RD0501_02_f_2016_1				
Comment Code					
Inspector Comment					
2005 - Large vertical sections due to wave wash. New stone dumped on the bank with exposed geotextile. Cohesive toe has thin weak stratigraphic unit that is washing out. 2006 - Partially repaired, but 100 ft in the middle of the reach has exposed filter fabric and stone riprap is gone. 2010 - Site extended downstream to include new erosion pocket. 2015: No observed changes. [2015 Site ID: CHS 15-9 L]					

Photo 1 of 1 : FA_2016_RD0501_170_1_20161018_00001.jpg



USACE 2013 Photo #1

LM Start	2.90	Rating **	M	Issue No.	4
LM End	2.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.218890 °	38.218997 °
				-121.669934 °	-121.669988 °
DWR ID	DWR_RD0501_02_s_2012_4				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents and backfill and compact the burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	10/19/2016 10/19/2016	Herman Phillips

LM Start	3.41	Rating **	M	Issue No.	16
LM End	3.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225823°	38.225823°
				-121.672837°	-121.672837°
DWR ID	DWR_RD0501_02_s_2012_16				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim up the tree on the landside slope.					

No Photos

LM Start	3.42	Rating **	M	Issue No.	18
LM End	3.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225987 °	38.225987 °
				-121.672870 °	-121.672870 °
DWR ID	DWR_RD0501_02_s_2012_18				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim up tree on the landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	0.01	Rating **	A/W	Issue No.	32
LM End	7.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228207°	38.285530°
				-121.673012°	-121.606210°
DWR ID	DWR_RD0501_03_f_2016_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
RD 501 has mowing crew on levee chopping the weeds on landside from levee mile 0.01-7.70 top and bottom of slope.					

Photo 1 of 1 : FA_2016_RD0501_171_32_20161021_00068.jpg



RD 501 Unit 3 looking downstream landside slope levee mile 0.01 -7.70.

LM Start	0.04	Rating **	M	Issue No.	34
LM End	0.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228585 °	38.233410 °
				-121.672760 °	-121.666788 °
DWR ID	DWR_RD0501_03_f_2016_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the annual grasses from levee mile 0.04-0.51 waterside levee slope.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	0.51	Rating **	U	Issue No.	35
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.233410°	38.234525°
				-121.666788°	-121.665495°
DWR ID	DWR_RD0501_03_f_2016_35				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Thin out the woody tree growth on the waterside slope.					

Photo 1 of 1 : FA_2016_RD0501_171_35_20161021_00069.jpg



RD 501 Unit 3 levee mile 0.51 downstream to 0.61 waterside shoulder and slope.

LM Start	1.38	Rating **	A/W	Issue No.	37
LM End	7.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.243203 °	38.285530 °
				-121.658950 °	-121.606207 °
DWR ID	DWR_RD0501_03_f_2016_37				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The vegetation complies with standards but the RD will have to monitor the progress.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	2.61	Rating **	M	Issue No.	3
LM End	2.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.257445 °	38.258759 °
				-121.651437 °	-121.651449 °
DWR ID	DWR_RD0501_03_s_2012_3				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees to five feet above the ground.					

No Photos

LM Start	2.79	Rating **	M	Issue No.	130
LM End	3.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.260118 °	38.262839 °
				-121.651351 °	-121.647722 °
DWR ID	DWR_RD0501_03_s_2014_130				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim up the trees on the landside slope.					

No Photos

LM Start	3.55	Rating **	M	Issue No.	15
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.266666 °	38.266857 °
				-121.641475 °	-121.641280 °
DWR ID	DWR_RD0501_03_s_2012_15				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim up tree on landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	10/19/2016 10/19/2016	Herman Phillips

LM Start	3.62	Rating **	M	Issue No.	22
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267485 °	38.267578 °
				-121.640667 °	-121.640507 °
DWR ID	DWR_RD0501_03_s _ 2012_22				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin trees to allow the visibility of the ground.					

No Photos

LM Start	6.67	Rating **	M	Issue No.	39
LM End	7.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.290473 °	38.285550 °
				-121.622768 °	-121.606283 °
DWR ID	DWR_RD0501_03_f _ 2016_39				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
RD needs to place bait stations along this stretch.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

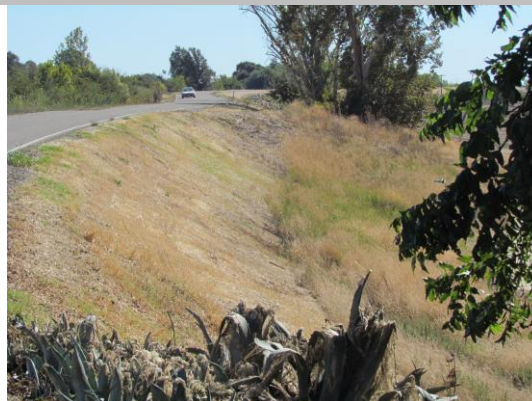
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	10/19/2016 10/19/2016	Herman Phillips

LM Start	0.00	Rating **	A/W	Issue No.	15
LM End	2.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285418 °	38.254622 °
				-121.606028 °	-121.601385 °
DWR ID	DWR_RD0501_04_f_2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
RD is in process of mowing the landside slope working downstream.					

Photo 1 of 1 : FA_2016_RD0501_172_15_20161021_00029.jpg



RD 501 Unit 4 looking downstream from levee mile 0.00- 2.27 landside slope.

LM Start	0.00	Rating **	A/W	Issue No.	16
LM End	2.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285418 °	38.254622 °
				-121.606028 °	-121.601385 °
DWR ID	DWR_RD0501_04_f_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The RD is mowing the waterside levee slope of vegetation during this inspection.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	10/19/2016 10/19/2016	Herman Phillips

LM Start	2.15	Rating **	M	Issue No.	13
LM End	2.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.256275 °	38.255990 °
				-121.600933 °	-121.601015 °
DWR ID	DWR_RD0501_04_s_2012_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Thin out the trees along levee mile 2.15-22.17 and trim them up at least 5-foot above the ground.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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